

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CDM/64754000	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/05266	International filing date (day/month/year) 02/12/2003	(Earliest) Priority Date (day/month/year) 02/12/2002
Applicant  SOLEXA LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

### 4. With regard to the **title**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

### 5. With regard to the **abstract**,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

### 6. The figure of the **drawings** to be published with the abstract is Figure No.

- ☒ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

# B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS

# C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/142309 A1 (DATTA GUPTA NANIBHUSHAN) 3 October 2002 (2002-10-03) page 3 -page 5 page 7 -page 16 claims 1-62 figures 1,2	1-26
X	US 2002/110826 A1 (DATTA GUPTA NANIBHUSHAN) 15 August 2002 (2002-08-15) page 2 -page 11 claims 1-56 figures 1,2	1-26



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

28 April 2004

Date of mailing of the international search report

07/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

BROCHADO GARGANTA, M

## (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/50305 A (SIEMERING KIRBY ;MURDOCH CHILDRENS RES INST (AU)) 27 June 2002 (2002-06-27) page 3 -page 22 page 24 -page 30 claims 1-24 figure 1	1-26
X	EP 0 745 690 A (NEW YORK HEALTH RES INST) 4 December 1996 (1996-12-04) column 3 -column 31 claims 1-16 figures 1-3	1-26
A	ARMITAGE B ET AL: "Hairpin-forming peptide nucleic acid oligomers" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 37, no. 26, 30 June 1998 (1998-06-30), pages 9417-9425, XP002094818 ISSN: 0006-2960 the whole document	1-26
A	BROUDE N E: "Stem-loop oligonucleotides: a robust tool for molecular biology and biotechnology" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 20, no. 6, 1 June 2002 (2002-06-01), pages 249-256, XP004352763 ISSN: 0167-7799 the whole document	1-26

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/05266

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002142309 A1	03-10-2002	US 6380377 B1 AU 7345301 A WO 0206531 A2 US 2003165963 A1 US 2003082607 A1 US 2002110826 A1	30-04-2002 30-01-2002 24-01-2002 04-09-2003 01-05-2003 15-08-2002
US 2002110826 A1	15-08-2002	US 6380377 B1 US 2003082607 A1 AU 7345301 A WO 0206531 A2 US 2003165963 A1 US 2002142309 A1	30-04-2002 01-05-2003 30-01-2002 24-01-2002 04-09-2003 03-10-2002
WO 0250305 A	27-06-2002	WO 0250305 A1 AU 1569602 A CA 2431882 A1 EP 1354059 A1	27-06-2002 01-07-2002 27-06-2002 22-10-2003
EP 0745690 A	04-12-1996	US 5925517 A AU 702598 B2 AU 5232496 A CA 2176266 A1 EP 0745690 A2 JP 9107996 A US 6103476 A	20-07-1999 25-02-1999 21-11-1996 13-11-1996 04-12-1996 28-04-1997 15-08-2000